

## IN THE CLAIMS:

Please rewrite claim 6 as follows:

1. (currently and previously amended) A [reactor] plate for the catalytic production of aromatic carbonates, comprising:

a substrate [with] comprising an array of reaction cells; and

a permeable polycarbonate film covering at least one cell to selectively permit transport of a reactant gas into the at least one cell while preventing transport of a reaction product out of the at least one cell ;

wherein the permeable polycarbonate film selectively admits transport of oxygen and carbon monoxide and prohibits transport of a diaryl carbonate; and

wherein the at least one cell is formed from a polycarbonate substrate with two opposing walls comprising permeable polycarbonate film.

2. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of  $5 \times 10^{-10}$  to  $5 \times 10^{-7}$  cc(STP)-mm/cm<sup>2</sup>-sec-cmHg.

3. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of  $1 \times 10^{-9}$  to  $1 \times 10^{-7}$  cc(STP)-mm/cm<sup>2</sup>-sec-cmHg.

4. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of  $2 \times 10^{-8}$  to  $2 \times 10^{-6}$  cc(STP)-mm/cm<sup>2</sup>-sec-cmHg.

5. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is .0002 to .05 mm thick.

6. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is .005 to [04] .04 mm thick.

D2  
cont

Sub  
E1  
>

7. (currently and previously amended) The [reactor] plate of claim 1,  
wherein the permeable polycarbonate film is .01 to .025 mm thick.
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8. (cancelled)

9. (cancelled)

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D3

Sub  
E1  
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10. (currently and previously amended) The [reactor] plate of claim 1,  
wherein the permeable polycarbonate film is a monofilm, coextrusion, composite or  
laminate.
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11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (cancelled)

15. (cancelled)

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D4

Sub  
E1  
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- 16 (currently amended). The [reactor] plate of claim 1, wherein the at least  
one cell is a concave bottomed cell with permeable film cover.
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17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

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36. (cancelled)